

Total CATV Solution



www.shivamsignal.com

- Optical Receiver
- Hybrid Amplifier
- Taps & Splitters
- RF Filters & Traps



SIGNAL

CABLE TV ACCESSORIES

an ISO 9001 : 2015 Company



Certification & Inspection

CE : 2512

FTTH DC NODE & RF Converter 860 mhz.

MODEL • SGL-107-ALLU. BODY



AVAILABLE
75/90/105/dB OUTPUT
WITH REVERSE
POWER SYSTEM

MODEL • SGL-102-ALLU. BODY



Features :

- Economical Optical to RF Signal Converter
- Suitable for Use in 40 to 860 MHz.
- 80 to 105db Micro Volt RF Signal for the Optical Input of 0 dbm
- Low Noise
- High Linearty
- 4 Step LED Optical Power Indicator
- Good Flatness
- Very High C/N
- 6V./24V. Input DC Voltage
- Reverse Path Power Pass System

- ALLU. BODY
- PROFESSIONAL
- OUTPUT WITH MONITOR

Technical Specification :

- Optical Wavelength 1300 nm to 1600 nm
- Optical Input Power +2 dBm to -12 dBm
- Optical Inut Connector SC / APC
- RF Output Connector F Type (Female)
- Power Supply 6V./24V. DC 1 amp.

CATV DC POWER SUPPLY



Model :
SGL-P-2A-MS BODY

Model :
SGL-P-1A-PLASTIC BODY

- Input Voltage 100 to 280 V. AC
- Output Voltage : 32V. DC 2 amp.
- Input Voltage 30 to 100 V. AC
- Output Voltage : 5/7.5/9/12V. DC 1 amp.

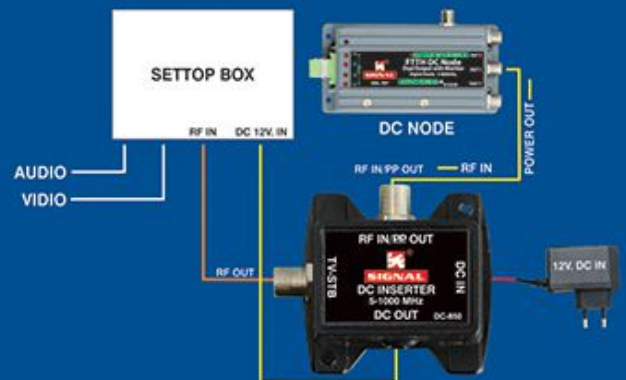
Technical Specification :

- 5/8 Female Output Connections
- Freq. 5 ~ 860 MHz

FEATURES:

- High Performance SMPS Power Supply
- Input And Output Protection, Lightning Surge Protection
- Current Limited Output and Short-circuit Protection
- Powder Coated MS Body and ABS Plastic Body
- Cable Mount Installation
- Application for DC Node
- Continuous Current Indication
- Output Ports for Easy Distribution

HOW TO USE DC INSERTER SWITCH



Set Top Box Stand



Made from Unbreakable Plastics
Big Size : 270 X 228mm
Small Size : 175 X 175mm
Available in : ABS Transperent & ABS Black

Hybrid Amplifier Dual Output 860 Mhz.

MODEL

- SGL-110-6V.-ALLU. BODY
- SGL-110A-24V.-ALLU. BODY

MODEL

- SGL-A-14-860 ALLU.
- SGL-A-14-860 ALLU.-SMPS

MODEL

- SGL-A-15-860 MS
- SGL-A-15-860 MS-SMPS



**AVAILABLE
6V./24V. DC.
WITH REVERSE
POWER SYSTEM**

Technical Specification :

- Gain : 32dB
- Adjustable Gain : 0~20dB Adjustable
- Output Level : < 105dB μ V
- Slope Control : 20dB Variable



Features:

- Heavy Duty Alluminum Pressure Die Cast Body saw easy Efficient Heat Dissipation
- 32 dB Gain • Optimum for Trunk Distribution
- Low Circuit Temperature gives Longer Life
- High Voltage Surge Protection
- Excellent Level Flatness • Dual RF Output with Monitor
- Mains Cum Power Pass
- Voltage Selection LED for Easy Selection

SOLAR POWERED OPTICAL CABLE TV NODE

- Solar systems are well known as a clean and reliable source of energy
- Reduce pollution and prevent our world from the consequences of climate
- Unlimited power of the sun must be used efficiently worldwide
- When No Sunlight Automatically Divert in to Mains Power (230v. A.c./30-90pp)

Features

- Solar Powered Operation, @48 Hours Battery Backup, Long Life
- Easy to Install, Excellent BER, MER & C/N
- Output: 0 dBm @ 105 dBuV, Dual output with Monitor
- Wave Length : 1310 nm - 1550 nm, Optical Indication
- Power Indication, Solar Panel: 12V/25 W, Battery : 12V/7 AH
- Built in PWM solar charge controller
- Uninterrupted Signal Distribution
- Low Noise, High Linearty, Excellent Return loss



**100% Outdoor
Waterproof**



SAVE POWER



- Outdoor Type Optical Receiver
- Optical Receiver
- Optical Node/Amplifier



- OPTICAL RECEIVER
- ALLU. DIE CAST BODY
- PROFESSIONAL



FEATURES:

- Low Noise
- High Linearty
- Gas Discharge Surge Arrestors at input & Output
- 8 Step LED Optical Power Indicator
- Good Flatness
- Very High C/N
- Dual Output (-20db Test Point)
- Correct AC. Voltage Setting Indicator
- Forward & Backward Power Passing

-12dBm SENSITIVITY

MODEL

- SGL-N-6-860 OUTDOOR
- SGL-N-6-860 OUTDOOR-SMPS
- SGL-N-6A-860 OUTDOOR-SMPS-DIGITAL DISPLAY

Technical Specification :

- Optical Wavelength 1300 nm to 1600 nm
- Optical Input Power +2 dBm to -12 dBm
- Optical Inut Connector SC / APC
- RF Output Connector F Type (Female)
- Power Supply
- Mains 230 V AC. 50 Hz
- Power Pass 30-60 V AC, 50 Hz
- RF Output 2 Output, 1 Monitor (-20 dB)

MODEL

- SGL-N-8-ALLU. CAST
- SGL-N-8-ALLU.-CAST-SMPS
- SGL-N-8A-ALLU.-CAST-DIGITAL DISPLAY
- SGL-N/AMP-11-ALLU.-CAST



- OPTICAL RECEIVER
- OPTI. NODE CUM AMPLIFIER
- ALLU. BODY
- PROFESSIONAL

FEATURES:

- Heavy Duty Alluminum Pressure Die Cast Body saw easy Efficient Heat Dissipation
- Low Noise
- High Linearty
- 8 Step LED Optical Power Indicator
- Good Flatness
- Very High C/N
- Dual Output (-20db Test Point)
- Correct AC. Voltage Setting Indicator
- Forward & Backward Power Passing

-12dBm SENSITIVITY

MODEL

- SGL-N-6-860 MS
- SGL-N-6-860 MS-SMPS
- SGL-N/AMP-6-860 MS
- SGL-N/AMP-6-860 MS-SMPS-AMP



- OPTICAL RECEIVER
- OPTI. NODE CUM AMPLIFIER
- MS BODY
- ECONOMY

Technical Specification :

- Optical Wavelength 1300 nm to 1600 nm
- Optical Input Power +2 dBm to -12 dBm
- Optical Inut Connector SC / APC
- RF Output Connector F Type (Female)
- Power Supply
- Mains 230 V AC. 50 Hz
- Power Pass 30-60 V AC, 50 Hz
- RF Output 2 Output, 1 Monitor (-20 dB)



- FREQ. RANGE 5 to 1000 mhz
- INSERTION LOSS 1 db
- POWER CAPABILITY 15A 60V/90V AC. 50/60 hz.
- IMPEDANCE 75 ohms.
- NO INTER FERENCE FROM POWER SUPPLY TRANSFORMER
- HUM MODULATION AT 10A -70 db avg.
- V.S.W.R. 2 db (below)



- FREQ. RANGE 5 to 860 mhz.
- SLOPE CONTROL FREQ. 5 to 250/300/350 mhz.
- IN/OUT IMPEDANCE 75 ohms
- V.S.W.R. 2 db (below)
- POWER PASSING 10 amp. 60V AC. 50/60 hz.
- SLOPE CONTROL db 1 to 18 VARIABLE & FIX 6/8/10/12/14/16 DB AVAILABLE



- FREQ. RANGE 5 to 1000 mhz.
- INSERTION LOSS 1 db max
- AC. POWER PROTECTION 1000 V.
- IN/OUT IMPEDANCE 75 ohms
- V.S.W.R. 2 db (below)
- ABS PLASTIC HOUSING



- FREQ. RANGE 5 to 1000 mhz.
- ATTENUATION 0 to 22 db VARIABLE & FIX 3/5/10/15/20/25 db AVAILABLE
- TOLERANCE +/- 0.5 db
- IN/OUT IMPEDANCE 75 ohms
- V.S.W.R. 2 db (below)
- POWER PASSING 10 amp. 60V AC. 50/60 hz.



PATCHCORDS



- FEATURES**
- High Performance Cable Assemblies Manufactured In State-of The Art Clean Room Facility
 - Available In All Connector Options
 - Low Insertion Loss • Low Back Reflection
 - Multimode/single Mode Fiber Option
 - Simplex /Duplex/Ribbon Cable Option
 - Stable In Environmental And Mechanical Testing
 - 100% Testing For Insertion Loss And Back Reflection Values
 - Available Riser And Lszh Grade.

1000 mhz. 15amp 60/90v. Powerpass Indoor-Outdoor Taps & Splitters

COMMON FEATURES :

- All Items Are Checked By Fully Automatic Synthesized Pc Based Vector network Analyzer (1300 Mhz.)
- Final Production Graph Available On Request
- High Quality "F" Type Connectors Standard
- Taps & Splitter In High Port To Port Isolation & Excellent Return Loss
- Made With Key Components From Japan
- Splitters Are Available In One Port Power Pass & All Port Power Pass
- Taps & Splitter In Power Passing Up To 15 Amp. Have Special Design Power Passing Coils With Perfectly Matched Micro Henry Which Does Not Disturb Rf Signals While Trans Mitting A.c. Current Along With At Also Avoids Hum Modulation
- Powder Coated Graded Aluminium Die. Cast Construction For All Weather Protection.
- Ready to Digital Frq. Band
- Outdoor Tap & Splitters are 100% Waterproof



TECHNICAL SPECIFICATION CHART OF : INDOOR TAPS & SPLITTERS

DIR.	INSERTION LOSS (db max)				TAP LOSS (db max)				ISOLATION TAP to OUT				ISOLATION TAP to TAP			
	5-250 mhz.	250-550 mhz.	550-850 mhz.	850-1000 mhz.	5-250 mhz.	250-550 mhz.	550-850 mhz.	850-1000 mhz.	5-250 mhz.	250-550 mhz.	550-850 mhz.	850-1000 mhz.	5-250 mhz.	250-550 mhz.	550-850 mhz.	850-1000 mhz.
COUPLER																
1 way	0.5 to 1	1.5	1.5 to 2	2 to 2.2	9 to 10	10 to 11	11 to 11.5	11.5 to 12	38	34	30	30	-	-	-	-
2 way	1 to 1.5	1.5	1.5 to 2	2 to 2.5	10 to 11	11 to 12	12 to 13	13 to 13.5	35	35	30	30	22	22	20	20
3 way	1.5	2	2 to 2.2	2.2 to 2.5	15	15	15 to 16	16 to 16.5	34	34	30	30	22	22	20	20
4 way	1.5	2	2 to 2.5	2.5 to 3	16	16	16 to 17	17 to 17.5	34	34	30	30	22	22	20	20
6 way	4	4	4	4	12	12	14	14	30	30	30	30	20	20	20	20

SPLITTER	DISTRIBUTION LOSS (db max)				ISOLATION OUT to OUT			
	5-250 mhz.	250-550 mhz.	550-860 mhz.	850-1000 mhz.	5-250 mhz.	250-550 mhz.	550-860 mhz.	850-1000 mhz.
2 way	4	3.5	3.5 to 4	3.5 to 4	25 to 30	22 to 25	20 to 22	20 to 22
3 way	6	5 to 6	6	6 to 7	25 to 30	25 to 28	20 to 22	20 to 22
4 way	8	7 to 7.5	8	8 to 8.5	20 to 25	20 to 25	20 to 22	20 to 22
6 way	10	10	12	12	20 to 25	20 to 22	20 to 22	20 to 22

TECHNICAL SPECIFICATION CHART OF : NV SERIES OUTDOOR TAPS & SPLITTERS

DIR.	INSERTION LOSS (db max)				TAP LOSS (db max)				ISOLATION TAP to OUT				ISOLATION TAP to TAP			
	5-250 mhz.	250-550 mhz.	550-850 mhz.	850-1000 mhz.	5-250 mhz.	250-550 mhz.	550-850 mhz.	850-1000 mhz.	5-250 mhz.	250-550 mhz.	550-850 mhz.	850-1000 mhz.	5-250 mhz.	250-550 mhz.	550-850 mhz.	850-1000 mhz.
COUPLER																
1 way	2	2	2	2 to 2.5	10	10	10 to 11	10 to 11	32	30	30	30	-	-	-	-
2 way	3	3	3 to 3.5	3.5 to 4	10	10	10 to 11	10 to 11	30	30	30	30	20	20	20	20
3 way	3.5	3.5	3.5 to 4	3.5 to 4	10	10	10 to 11	10 to 11	32	32	32	32	22	22	20	20
4 way	3.5	3.5	3.5 to 4	3.5 to 4	10	10	10 to 11	10 to 11	32	32	32	32	22	22	20	20

SPLITTER	DISTRIBUTION LOSS (db max)				ISOLATION OUT to OUT			
	5-250 mhz.	250-550 mhz.	550-860 mhz.	850-1000 mhz.	5-250 mhz.	250-550 mhz.	550-860 mhz.	850-1000 mhz.
2 way	4	3.5	3.5 to 4	3.5 to 4	25 to 30	22 to 25	20 to 22	20 to 22
3 way	6	5 to 6	6	6 to 7	25 to 30	25 to 28	20 to 22	20 to 22
4 way	8	7 to 7.5	7 to 7.5	8 to 8.5	20 to 25	20 to 25	20 to 22	20 to 22

COMMON TECHNICAL SPECIFICATIONS

- FREQUENCY 5 to 1000 mhz. • REVERSE PATH FREQUENCY 5 to 40 mhz. • POWER PASSING 15 AMP 60/90 V AC 50/60hz.
- IN/OUT IMPEDENCE 75 ohms. • V.S.W.R. (2 db below) • FLATNESS : +/- 1db • RETURN LOSS 15 db. (min.)
- ABOVE READINGS ARE TAKEN MALE TERMINATED (75 ohm) • ISOLATIONS READING WITH ALL INPUTS TERMINATED (75 ohm)

OPTICAL FIBER JOINT ENCLOSURE

• Made from First Grade Plastics • New Design Screw-less Body • Easy to Installation • Available in 2-3-4 Way

SMALL COMPASS TYPE BOX

Model No. SGL-T-111
 Size 180 X 80 X 25mm



EASY BOX

Model No. SGL-T-233
 Size 220 X 140 X 30mm



Heavy Duty
 PG-9 Connector
 Suitable for 1550 nm



REGULAR BOX

Model No. SGL-T-234
 Size 220 X 140 X 30mm



Heavy Duty
 PG-9 Connector
 Suitable for 1550 nm



BIG BOX

Model No. SGL-T-235
 Size 255 X 150 X 30mm



Heavy Duty
 PG-9 Connector
 Suitable for 1550 nm



FTTH WHITE BOX

Model No. SGL-F-121
 Size 160 X 110 X 20mm



Powerless Technology Optical Converter



SGL-N-5-MICRO NODE

- Optical Wavelength 1300-1600 nm
- Optical Input Power 0 to -5dBm
- 5-1000 mhz. Digital Ready



- 1 Way FTTH Micro Node • 0 dB@70dB OUT
- 2 Way FTTH Micro Node • 0 dB@64dB OUT
- 3 Way FTTH Micro Node • 0 dB@61dB OUT
- 4 Way FTTH Micro Node • 0 dB@58dB OUT
- 6 Way FTTH Micro Node • 0 dB@52dB OUT

Digital Band Pass / Stop Filter



INTRODUCTION:

High performance band pass filter are designed for catv-matv operation. Band pass filter network Consists of adjacent channel lowpass and high pass joined together to form a wide band pass filter. Custom ordered to Pass several consecutive channels.

High/Low Pass Filter



INTRODUCTION:

High pass and low pass filter designed primarily to uncombine a CATV-MATV cable feed to interface to a fiber optic link or for reinserting a block of new programming. High pass & low pass filter upper & lower TV/RF spectrum from FC (customers specified) and above provide >60 db signal rejection in the stop band (from FS) application Use to isolate frequencies above FC from frequencies below.



Channel Traps (Negative)

FEATURE

- Temperature Stable
- Smd High Stability Components
- Suitable for CATV-MATV and other Communication system
- Dual Layer Copper Tube
100% Water Proof

Channel Pass Filter



- Professional Channel Filter
- Low Insertion Loss
- Good Spurious Harmonics
- Frq. Range PAL-B/G
48 to 860 mhz.
- Dual Layer Copper Tube
100 % Waterproof

RF Signal Blocker



- Professional Channel RF Signal Blocker
- 100% RF Signal Blocker only Power Pass
- Suitable For Node and Transmitter A/C Power Supply
- Dual Layer Copper Tube
100 % Waterproof

MFRS. & MARKED BY:

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